

1 CLAIMS

2  
3 What is claimed is:

- 1 1. A system for displaying health information comprising:
- 2 a) a set of inputs for generating a set of data  $\{D[j]\}$ ,
- 3  $j = 1 \dots J$ , a datum  $D[j]$  characterizing a personal
- 4 health condition of a patient;
- 5 b) a processing means in communication with said set of
- 6 inputs, for generating a personalized health model of
- 7 said patient from a generalized health model of said
- 8 patient and from said set of data  $\{D[j]\}$ ; and
- 9 c) a display means in communication with said processing
- 10 means, for generating a display comprising a body
- 11 image, said body image illustrating said personalized
- 12 health model.
- 13
- 1 2. The system of claim 1 wherein said personalized health
- 2 model comprises a set of parameters  $\{P[k]\}$ ,  $k = 1 \dots K$ .
- 3
- 1 3. The system of claim 2 wherein said generalized health
- 2 model specifies a dependence of said set of parameters
- 3  $\{P[k]\}$  on said set of data  $\{D[j]\}$ .
- 4
- 1 4. The system of claim 2 wherein said processing means is
- 2 adapted to assign values to said set of parameters
- 3  $\{P[k]\}$  using said set of data  $\{D[j]\}$ .
- 4
- 1 5. The system of claim 2 wherein said set of parameters
- 2  $\{P[k]\}$  comprises a blood glucose level.
- 3
- 1 6. The system of claim 2 wherein said set of parameters
- 2  $\{P[k]\}$  comprises a condition of a part of said
- 3 patient.
- 4

1           7.    The system of claim 2 wherein said set of parameters  
2                {P[k]} comprises a parameter selected from the group  
3                of respiratory flow, blood pressure, cholesterol  
4                level, patient weight, T-cell count, and frequency of  
5                health episodes.

1           8.    The system of claim 1 wherein said set of inputs  
2                comprises a medical record of said patient.

1           9.    The system of claim 1 wherein said set of inputs  
2                comprises a record of a standard of care for a general  
3                health condition of said patient.

1           10.   The system of claim 1 wherein said set of inputs  
2                comprises a record of a prescribed treatment of said  
3                patient.

1           11.   The system of claim 1 wherein said set of inputs  
2                comprises a record of a display preference.

1           12.   The system of claim 1 wherein said set of inputs  
2                comprises a record of a personal profile of said patient.

1           13.   The system of claim 1 wherein said set of inputs  
2                comprises a patient identification means in communication  
3                with said display means, for specifying an identity of  
4                said patient.

1           14.   The system of claim 13 wherein said patient  
2                identification means is adapted to specify a  
3                prescribed treatment of said patient.

1           15.   The system of claim 13 wherein said patient  
2                identification means comprises a card.

- 3
- 1 16. The system of claim 13 wherein said patient  
2 identification means is in communication with said  
3 display means and is adapted to specify an address of  
4 said processing means, for allowing a communication  
5 between said display means and said processing means.  
6
- 1 17. The system of claim 1 wherein said set of inputs  
2 comprises a patient feedback means in communication with  
3 said processing means, for generating a subset of  
4 feedback data.  
5
- 1 18. The system of claim 1 wherein said display means  
2 comprises a television set.  
3
- 1 19. The system of claim 1 wherein said display means  
2 comprises a multimedia processor for connecting said  
3 television set to said processing means.  
4
- 1 20. The system of claim 1 wherein said data set  $\{D[j]\}$   
2 comprises a subset of simulation data characterizing a  
3 simulated personal health condition of said patient.  
4
- 1 21. The system of claim 1 wherein said display comprises a  
2 section assigned to a parameter  $P[k]$ .  
3
- 1 22. The system of claim 1 wherein said body image comprises a  
2 section assigned to a parameter  $P[k]$ .  
3
- 1 23. The system of claim 1 wherein a set of characteristics of  
2 said body image match a set of predetermined physical  
3 characteristics.  
4

- 1        24. The system of claim 23 wherein said set of physical  
2            characteristics comprises a characteristic selected  
3            from an age, a height, a gender, a weight, a skin  
4            color, and a hair color.
- 1        25. The system of claim 23 wherein said body image  
2            comprises a reproduction of an image of said patient.
- 1        26. The system of claim 1 wherein said body image comprises  
2            an image of a fictional character.
- 1        27. The system of claim 1 wherein said processing means is in  
2            communication with said display means over a remote  
3            network.
- 1        28. The system of claim 1 wherein said processing means is in  
2            communication with said set of inputs over a remote  
3            network.
- 1        29. The system of claim 1 further comprising a data  
2            aggregation means in communication with said set of  
3            inputs and with said processing means, for collecting a  
4            subset of said set of data  $\{D[j]\}$  from said set of  
5            inputs.
- 1        30. The system of claim 29 wherein said data aggregation  
2            means is in communication with said display means over  
3            a remote network.
- 1        31. A method of providing personalized health information to a  
2            patient, said method comprising the steps of:  
3            a) generating a set of data  $\{D[j]\}$ ,  $j = 1 \dots J$ , from a set  
4            of inputs, a datum  $D[j]$  characterizing a personal  
5            health condition of a patient;

- 6        b)    generating a personalized health model of said patient
- 7                from a generalized health model of said patient and
- 8                from said set of data  $\{D[j]\}$ ; and
- 9        c)    generating a display comprising a body image, said
- 10               body image illustrating said personalized health
- 11               model.
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